

WEST Search History

DATE: Monday, April 09, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,EPAB,JPAB,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L20	L19 and (base near2 layer)	4
<input type="checkbox"/>	L19	L10 and base	76
<input type="checkbox"/>	L18	L3	480
<input type="checkbox"/>	L17	L11 and (bit adj allocat\$3)	48
<input type="checkbox"/>	L16	L15 and codebook	1
<input type="checkbox"/>	L15	mekuria-\$.in.	29
<input type="checkbox"/>	L14	L11 and ((even or odd) near2 bit\$2)	7
<input type="checkbox"/>	L13	L11 and (adaptive adj bit adj allocat\$3)	0
<input type="checkbox"/>	L11	L10 and quality	98
<input type="checkbox"/>	L10	L9 and synthes\$6	106
<input type="checkbox"/>	L9	L8 and enhanc\$6	106
<input type="checkbox"/>	L8	L6 and pitch	148
<input type="checkbox"/>	L7	L6 and (enhanc\$6 near6 bit\$2)	13
<input type="checkbox"/>	L6	L5 and CELP	158
<input type="checkbox"/>	L5	L4 and (sub near2 frame)	175
<input type="checkbox"/>	L4	L3 and (LPC or (linear adj predict\$3))	459
<input type="checkbox"/>	L3	(adaptive and fixed) near2 codebook	480
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPL,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L2	CELP and L1	19
		<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>	
		(20040024594 5993057 5420904 4370648 6023522 6871176 7117146	
		20020103638 20030074192 5966689 6182030 5706395 6108626 6263307	
		6377915 6996522 7072366 20020133335 20030206558 20040243404	
<input type="checkbox"/>	L1	20050071154 5495555 7158572 20030152152 20070064817 4843391 4802221	50
		4484299 4608455 4292474 4519086 4569046 5546464 4267595 4325139	
		4583234 4864590 4890327 5253270 5491727 5636264 5687200 5930299	
		6067317 6600955 6917914 7024355 7076424 20020055836 20030135247).pn.	

END OF SEARCH HISTORY

Search Results - Record(s) 1 through 8 of 8 returned.

L21: Entry 1 of 8

File: USPT

Oct 3, 2006

US-PAT-NO: 7117146

DOCUMENT-IDENTIFIER: US 7117146 B2

TITLE: System for improved use of pitch enhancement with subcodebooks

DATE-ISSUED: October 3, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020103638 A1

August 1, 2002

US-CL-ISSUED: 704/200.1; 704/207, 704/201

US-CL-CURRENT: 704/200.1; 704/201, 704/207

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G01L19/00	20060101	G01L019/00
IPCS	G01L11/04	20060101	G01L011/04

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	G01 L 11/04	20060101
CIPP	G01 L 19/00	20060101

L21: Entry 2 of 8

File: USPT

Apr 4, 2006

US-PAT-NO: 7024355

DOCUMENT-IDENTIFIER: US 7024355 B2

TITLE: Speech coder/decoder

DATE-ISSUED: April 4, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020055836 A1

May 9, 2002

US-CL-ISSUED: 704/221; 704/223, 704/219

US-CL-CURRENT: 704/221; 704/219, 704/223

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G10L19/12	20060101	G10L019/12

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>G10 L 19/12</u>	20060101

L21: Entry 3 of 8

File: USPT

Feb 7, 2006

US-PAT-NO: 6996522

DOCUMENT-IDENTIFIER: US 6996522 B2

**** See image for Certificate of Correction ****

TITLE: Celp-Based speech coding for fine grain scalability by altering sub-frame pitch-pulse

DATE-ISSUED: February 7, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20020133335 A1	September 19, 2002

US-CL-ISSUED: 704/219; 704/223, 704/229

US-CL-CURRENT: 704/219; 704/223, 704/229

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G10L19/04	20060101	G10L019/04

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	<u>G10 L 19/04</u>	20060101

L21: Entry 4 of 8

File: USPT

Jul 17, 2001

US-PAT-NO: 6263307

DOCUMENT-IDENTIFIER: US 6263307 B1

TITLE: Adaptive weiner filtering using line spectral frequencies

DATE-ISSUED: July 17, 2001

US-CL-ISSUED: 704/226; 704/205, 704/230

US-CL-CURRENT: 704/226; 704/205, 704/230

INT-CL-ISSUED: [07] G01L 21/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G10 L 19/00</u>	20060101
CIPS	<u>G10 L 19/06</u>	20060101
CIPS	<u>G10 L 21/00</u>	20060101
CIPS	<u>G10 L 21/02</u>	20060101

L21: Entry 5 of 8

File: USPT

Jan 30, 2001

US-PAT-NO: 6182030

DOCUMENT-IDENTIFIER: US 6182030 B1

TITLE: Enhanced coding to improve coded communication signals

DATE-ISSUED: January 30, 2001

US-CL-ISSUED: 704/201; 704/219, 704/230, D14/358, D14/496, 340/318

US-CL-CURRENT: 704/201; 340/318, 704/219, 704/230, D14/358, D14/496

INT-CL-ISSUED: [07] G10L 21/02, G08B 23/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPN	<u>G10 L 19/02</u>	20060101
CIPS	<u>G10 L 19/00</u>	20060101
CIPS	<u>G10 L 19/14</u>	20060101

L21: Entry 6 of 8

File: USPT

Aug 22, 2000

US-PAT-NO: 6108626

DOCUMENT-IDENTIFIER: US 6108626 A

TITLE: Object oriented audio coding

DATE-ISSUED: August 22, 2000

US-CL-ISSUED: 704/230; 704/205, 704/220, 704/219, 704/229, 704/278

US-CL-CURRENT: 704/230; 704/205, 704/219, 704/220, 704/229, 704/278

INT-CL-ISSUED: [07] G10L 11/00, G10L 21/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>H04 B 1/66</u>	20060101
CIPS	<u>H04 B 14/04</u>	20060101

L21: Entry 7 of 8

File: USPT

Oct 12, 1999

US-PAT-NO: 5966689

DOCUMENT-IDENTIFIER: US 5966689 A

TITLE: Adaptive filter and filtering method for low bit rate coding

DATE-ISSUED: October 12, 1999

US-CL-ISSUED: 704/226; 704/219, 704/227

US-CL-CURRENT: 704/226; 704/219, 704/227

INT-CL-ISSUED: [06] G10L 3/02, H04B 1/66

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	H04 B 1/66	20060101

L21: Entry 8 of 8

File: USPT

Feb 27, 1996

US-PAT-NO: 5495555

DOCUMENT-IDENTIFIER: US 5495555 A

TITLE: High quality low bit rate celp-based speech codec

DATE-ISSUED: February 27, 1996

US-CL-ISSUED: 395/2.16; 395/2.17, 395/2.32, 395/2.28, 395/2.2

US-CL-CURRENT: 704/207; 704/208, 704/211, 704/219, 704/223

INT-CL-ISSUED: [06] G10L 3/02

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	G10 L 19/12	20060101
CIPS	G10 L 19/00	20060101
CIPS	G10 L 19/14	20060101
CIPN	G10 L 11/06	20060101
CIPS	G10 L 11/04	20060101
CIPS	G10 L 11/00	20060101

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Most frequently occurring classifications of patents returned
from a search Of 10627629 on Apr 09 , 2007

Original Classifications

6 704/219
3 704/226
3 375/241
2 704/223
2 704/207
2 704/221

Cross-Reference Classifications

7 704/219
4 704/223
3 704/230
3 704/229
2 704/207
2 704/227
2 704/205
2 704/208
2 375/247
2 333/18
2 375/354

Combined Classifications

13 704/219
6 704/223
4 704/207
4 704/230
4 704/229
3 704/226
3 704/208
3 375/241
3 375/247
3 704/221
2 704/201
2 704/227
2 704/205
2 380/43
2 333/18
2 375/354
2 375/270

10627629_CLSTITLES

Titles of most frequently occurring classifications of patents returned
from a search of 10627629 on Apr 09 , 2007

13 704/219 (6 OR, 7 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/219 ...Linear prediction

6 704/223 (2 OR, 4 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/221 ...Pattern matching vocoders

704/223Excitation patterns

4 704/207 (2 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/205 ...Frequency

704/206Specialized information

704/207Pitch

4 704/230 (1 OR, 3 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/230 ...Quantization

4 704/229 (1 OR, 3 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/229 ...Adaptive bit allocation

3 704/226 (3 OR, 0 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/226 ...Noise

3 704/208 (1 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE
TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

704/200 .SPEECH SIGNAL PROCESSING

704/201 ..For storage or transmission

704/205 ...Frequency

704/206Specialized information

10627629_CLSTITLES

- 704/207Pitch
- 704/208Voiced or unvoiced
- 3 375/241 (3 OR, 0 XR)
 - Class 375 PULSE OR DIGITAL COMMUNICATIONS
 - 375/240 ..BANDWIDTH REDUCTION OR EXPANSION
 - 375/241 ..Pulse code modulation
- 3 375/247 (1 OR, 2 XR)
 - Class 375 PULSE OR DIGITAL COMMUNICATIONS
 - 375/242 ..PULSE CODE MODULATION
 - 375/244 ..Differential
 - 375/247 ...Single bit (delta)
- 3 704/221 (2 OR, 1 XR)
 - Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 - 704/200 ..SPEECH SIGNAL PROCESSING
 - 704/201 ..For storage or transmission
 - 704/221 ...Pattern matching vocoders
- 2 704/201 (1 OR, 1 XR)
 - Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 - 704/200 ..SPEECH SIGNAL PROCESSING
 - 704/201 ..For storage or transmission
- 2 704/227 (0 OR, 2 XR)
 - Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 - 704/200 ..SPEECH SIGNAL PROCESSING
 - 704/201 ..For storage or transmission
 - 704/226 ...Noise
 - 704/227Pretransmission
- 2 704/205 (0 OR, 2 XR)
 - Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 - 704/200 ..SPEECH SIGNAL PROCESSING
 - 704/201 ..For storage or transmission
 - 704/205 ...Frequency
- 2 380/43 (1 OR, 1 XR)
 - Class 380 CRYPTOGRAPHY
 - 380/255 ..COMMUNICATION SYSTEM USING CRYPTOGRAPHY
 - 380/42 ...Data stream/substitution enciphering
 - 380/43 ...Key sequence signal combined with data signal
- 2 333/18 (0 OR, 2 XR)
 - Class 333 WAVE TRANSMISSION LINES AND NETWORKS
 - 333/17.1 ..AUTOMATICALLY CONTROLLED SYSTEMS
 - 333/18 ..With control of equalizer and/or delay network
- 2 375/354 (0 OR, 2 XR)
 - Class 375 PULSE OR DIGITAL COMMUNICATIONS
 - 375/354 ..SYNCHRONIZERS

10627629_CLSTITLES

2 375/270 (1 OR, 1 XR)

Class 375 PULSE OR DIGITAL COMMUNICATIONS

375/259 .SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/268 ...Amplitude modulation

375/270 ...Vestigial or single sideband or suppressed carrier